

WHAT IS CLAIMED IS:

1. An optical disc drive which can record and/or reproduce data including audio data and non-audio data onto and/or from an optical disc when the optical disc is loaded into the optical disc drive, the optical disc being a multi-session optical disc including multiple sessions, each session having a lead-in area in which TOC information is recorded, a data area including at least one tracks in which either audio data or non-audio data is recorded, and a lead-out area, the optical disc drive comprising:

an optical pick-up capable of moving in a radial direction of the loaded optical disc to record or reproduce the data onto or from the loaded optical disc;

TOC information acquiring means for sequentially acquiring the TOC information recorded in the lead-in areas of the multiple sessions in the loaded optical disc by means of the optical pick-up;

TOC information judging means for judging whether or not there is illegal TOC information in the TOC information acquired by the TOC information acquiring means;

track information acquiring means for acquiring track information of the at least one tracks recorded in the session(s) that have been acquired by the TOC information acquiring means before the session including the illegal TOC information in the case where the TOC information judging means judges that there is the illegal TOC information in the acquired TOC information;

non-audio track judging means for sequentially judging whether or not there is a non-audio track in the at least one tracks acquired by the track information acquiring means, the non-audio data being recorded in the non-audio track; and

session invalidating means for invalidating all sessions on and after the session including the non-audio track in the case where the non-audio track judging means judges that there is the non-audio track in the acquired tracks.

2. The optical disc drive according to claim 1, wherein the track information includes a number of tracks in each session.

3. The optical disc drive according to claim 1, further comprising a memory for temporarily storing the TOC information of each of the sessions acquired by the TOC information acquiring means.

4. The optical disc drive according to claim 3, wherein the track information acquired by the track information acquiring means is temporarily stored in the memory.

5. The optical disc drive according to claim 1, further comprising means for making the TOC information acquiring means stop acquiring the TOC information of each of the sessions after the session including the illegal TOC information in the case where the TOC information judging means judges that there is the illegal TOC information in the acquired TOC information.

6. The optical disc drive according to claim 1, wherein the optical disc drive is constructed so as to be able to play back the session(s) including audio track(s) that are not invalidated by the session invalidating means.

7. An optical disc drive which can record and/or reproduce data including audio data and non-audio data onto and/or from an optical disc when the optical disc is loaded into the optical disc drive, the optical disc being a multi-session optical disc including multiple sessions, each session having a lead-in area in which TOC information is recorded, a data area including at least one tracks in which either audio data or non-audio data is recorded, and a lead-out area, the optical disc drive comprising:

an optical pick-up capable of moving in a radial direction of the loaded optical disc to record or reproduce the data onto or from the loaded optical disc;

TOC information acquiring means for sequentially acquiring the TOC information recorded in the lead-in areas of the multiple sessions in the loaded optical disc by means of the optical pick-up;

TOC information judging means for judging whether or not there is illegal TOC information in the TOC information acquired by the TOC information acquiring means;

non-audio track judging means for sequentially judging whether a first track in each of the sessions that have been acquired by the TOC information acquiring means before the session including the illegal TOC information is a non-audio track or not in the case where the TOC information judging means judges that there is the illegal TOC information in the acquired TOC information; and

session invalidating means for invalidating all sessions on and after the session in which the first track is the non-audio track in the case where the non-audio track judging means judges that there is the non-audio track in the acquired first tracks.

8. The optical disc drive according to claim 7, further comprising a memory for storing the TOC information of each of the sessions acquired by the TOC information acquiring means.

9. The optical disc drive according to claim 7, further comprising means for making the TOC information acquiring means stop acquiring the TOC information of each of sessions after the session including the illegal TOC information in the case where the TOC information judging means judges that there is the illegal TOC information in the acquired TOC information.

10. The optical disc drive according to claim 7, wherein the optical disc drive is constructed so as to be able to play back the session(s) including audio track(s) that are not invalidated by the session invalidating means.

11. A method of checking an optical disc when the optical disc is loaded into an optical disc drive, the optical disc drive being capable of recording and/or reproducing data including audio data and non-audio data onto and/or from the optical disc, the optical disc being a multi-session optical disc including multiple sessions, each session having a lead-in area in which TOC information is recorded, a data area including at least one tracks in which either audio data or non-audio data is recorded, and a lead-out area, the method comprising the steps of:

sequentially acquiring the TOC information recorded in the lead-in areas of the multiple sessions in the loaded optical disc by means of an optical pick-up;

judging means for judging whether or not there is illegal TOC information in the acquired TOC information;

acquiring track information of the at least one tracks recorded in the acquired session(s) before the session including the illegal TOC information in the case where it is judged that there is the illegal TOC information in the acquired TOC information;

sequentially judging whether or not there is a non-audio track in the at least one tracks acquired, the non-audio data being recorded in the non-audio track; and

invalidating all sessions on and after the session including the non-audio track in the case where it is judged that there is the non-audio track in the acquired tracks.

12. The method according to claim 11, further comprising the step of:
stopping acquiring the TOC information of each of the sessions after the session including the illegal TOC information in the case where it is judged that there is the illegal TOC information in the acquired TOC information.

13. A method of checking an optical disc when the optical disc is loaded into an optical disc drive, the optical disc drive being capable of recording and/or reproducing data including audio data and non-audio data onto and/or from the optical disc, the optical disc being a multi-session optical disc including multiple sessions, each session having a lead-in area in which TOC information is recorded, a data area including at least one tracks in which either audio data or non-audio data is recorded, and a lead-out area, the method comprising the steps of:

sequentially acquiring the TOC information recorded in the lead-in areas of the multiple sessions in the loaded optical disc by means of an optical pick-up;

judging whether or not there is illegal TOC information in the acquired

TOC information;

sequentially judging whether a first track in each of the acquired sessions before the session including the illegal TOC information is a non-audio track or not in the case where it is judged that there is the illegal TOC information in the acquired TOC information; and

invalidating all sessions on and after the session in which the first track is the non-audio track in the case where it is judged that there is the non-audio track in the acquired first tracks.

14. The method according to claim 13, further comprising the step of:
stopping acquiring the TOC information of each of the sessions after the session including the illegal TOC information in the case where it is judged that there is the illegal TOC information in the acquired TOC information.